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Proposed Maximum Residue Limit PMRL2010-53

Thiencarbazone-methyl

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Publications
Pest Management Regulatory Agency
Health Canada
2720 Riverside Drive
A.L. 6604-E2
Ottawa, Ontario
K1A 0K9

Internet: pmra.publications@hc-sc.gc.ca
healthcanada.gc.ca/pmra
Facsimile: 613-736-3758
Information Service:
1-800-267-6315 or 613-736-3799
pmra.infoserv@hc-sc.gc.ca

Canada

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Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has granted conditional registration to technical grade thiencarbazone-methyl and the end-use products AE1162464 WG 63 Herbicide and Velocity Herbicide for use in Canada on durum wheat, spring wheat and field corn. The specific uses approved in Canada are detailed on the product labels of AE1162464 WG 63 Herbicide (field corn) and Velocity Herbicide (wheat), *Pest Control Products Act* Registration Numbers 29069 and 29070, respectively.

The evaluation of these thiencarbazone-methyl applications indicated that the end-use products have merit and value and that the human health and environmental risks associated with the new uses are acceptable. Details regarding these registrations can be found in Evaluation Report ERC2010-03, *Thiencarbazone-methyl*.

Before registering a pesticide for food use in Canada, the PMRA must determine the quantity of residues that are likely to remain in or on the food when the pesticide is used according to label directions and that such residues will not be a concern to human health. This quantity is then legally established as a maximum residue limit (MRL). An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

In addition, the PMRA is proposing to establish import MRLs for thiencarbazone-methyl on popcorn grain and sweet corn kernels plus cob with husks removed to permit the import and sale of food containing such residues. The PMRA has determined the quantity of residues that are likely to remain in or on the imported commodities when thiencarbazone-methyl is used according to label directions in the exporting country, and that such residues will not be a concern to human health. Details regarding the proposed import MRLs can also be found in ERC2010-03.

Consultation on the proposed MRLs for thiencarbazone-methyl is being conducted via this document (see Next Steps, the last section of this document). ERC2010-03 includes information regarding the proposed MRLs in Section 3.5.3 and Appendix II addresses the international situation and trade implications. Supporting field trial residue data are provided in Appendix I, Table 5 of the Evaluation Report.

To comply with Canada's international trade obligations, consultation on the proposed MRLs is also being conducted internationally by notifying the World Trade Organization, as coordinated by the Standards Council of Canada.

The proposed MRLs for thiencarbazone-methyl in Canada in or on food are as follows.

Table 1 Proposed Maximum Residue Limits for Thiencarbazone-methyl

Common Name	Residue Definition	MRL (ppm)	Food Commodity
Thiencarbazone-methyl	methyl 4-[[[(4,5-dihydro-3-methoxy-4-methyl-5-oxo-1*H*-1,2,4-triazol-1-yl) carbonyl]amino]sulfonyl]-5-methyl-3-thiophenecarboxylate, including the metabolite 3*H*-1,2,4-triazol-3-one, 2,4-dihydro-5-methoxy-4-methyl-	0.02	Eggs, fat, meat and meat byproducts of cattle, goats, hogs, horses, poultry and sheep, milk
	methyl 4-[[[(4,5-dihydro-3-methoxy-4-methyl-5-oxo-1*H*-1,2,4-triazol-1-yl) carbonyl]amino]sulfonyl]-5-methyl-3-thiophenecarboxylate	0.01	Field corn, popcorn grain, sweet corn kernel plus cob with husks removed, wheat

A complete list of all MRLs established in Canada can be found on the Maximum Residue Limits for Pesticides webpage in the Pesticides and Pest Management section of Health Canada's website.

International Situation and Trade Implications

All MRLs proposed for thiencarbazone-methyl in Canada for commodities with corresponding tolerances established in the United States (tolerances listed in the Electronic Code of Federal Regulations, 40 CFR Part 180, by pesticide) are equivalent; however, in accordance with Table 2, a number of commodities for which Canadian MRLs are proposed do not have corresponding American tolerances.

Currently, Codex MRLs[1] have not been established for thiencarbazone-methyl on any commodity. A listing of all established Codex MRLs is available on the Codex Alimentarius Pesticide Residues in Food website.

[1] Codex is an international organization under the auspices of the United Nations that develops international food standards, including MRLs.

Table 2 Comparison of Canadian MRLs and American Tolerances (where different)

Food Commodity	Canadian MRL (ppm)	American Tolerance (ppm)
Eggs	0.02	No tolerance established
Fat, meat and meat byproducts of hogs and poultry	0.02	No tolerance established
Fat of cattle, goats, horses and sheep	0.02	No tolerance established

Next Steps

The PMRA invites the public to submit written comments on the proposed MRLs for thiencarbazone-methyl up to 75 days from the date of publication of this document. Please forward your comments to Publications (see the contact information on the cover page of this document). The PMRA will consider all comments received before making a final decision on the proposed MRLs for thiencarbazone-methyl and posting a corresponding Established Maximum Residue Limit in the Pesticides and Pest Management section of Health Canada's website.